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# MONTHLY REPORT

1 August - 31 August 1962

## SYSTEMS ENGINEERING BRANCH ENGINEERING STAFF

- 25X1A9a 1. Considerable time and effort were expended this month by various SEB personnel in assisting [REDACTED] 25X1A6a station engineer, with his several problems and questions. Major among these was torn-tape relay station design, transmitting antenna field planning with special regard to LP antenna specifications, the Kahn SSB receiver system, the Westrex linear amplifier, teletype patch panel standards, personnel and supply problems. [REDACTED] was also given a 25X1A9a rather thorough briefing on [REDACTED] requirements and procedures for his station and area.
- 25X1A 2. With increasing interest in our transportable communication systems being expressed by various areas, project E-5209 has been expanded to include 2-ST, 6-ST, MBU and VC-1 in addition to [REDACTED] (Equipment Rehabilitation)
3. An engineering model of an antenna tuner was developed and tested by members of EES. The unit is basically a modified application of the components of the TAC-1, and initial test results were encouraging, showing considerable improvement in performance over the conventional TAC-1. Comparative tests are to be run against Collins' 180-T2 tuner and against an unmodified TAC to assist in evaluation.
4. We have begun preliminary work on a project, thus far un-numbered to study and compare the R-390A and other receivers with the 51J-4 and the Hammarlund SP-600 with a view toward possible replacement of the 51J-4 as OC Standard.
- 25X1A9a 5. [REDACTED] Chief, [REDACTED] was on TDY at 25X1A6a Headquarters during this reporting period and briefed project personnel on the status of construction. [REDACTED] is of the 25X1A9a opinion that TDY personnel would not be required before January 1963, however, a later cable from Chief, [REDACTED] indicates 25X1A Beneficial Occupancy of the building may be effected by 23 September 1962. Tentative plans are for the Project Engineer to depart for the site on or about 15 October 1962. The exact date will be determined after discussions with Chief, [REDACTED] 25X1A in the latter part of September during his Headquarters TDY.
6. The task of field engineering in liaison [REDACTED] 25X1C4a also seemed to peak during this reporting period.

a. [REDACTED] received . . . 25X1A6a

GROUP 1  
Excluded from automatic  
downgrading and  
declassification

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SUBJECT: SEB Monthly Report

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25X1A6a a. [REDACTED] received a great deal of attention, with regard to power and air conditioning problems. After completion of the attached memo to the file regarding window A/C units, it was determined that Messrs. [REDACTED]

25X1A

25X1C4a [REDACTED] apparently had had the problem well in hand and had fixed on central air conditioning for the entire vaulted area. Problems still to be resolved involved system capacity and vulnerability to [REDACTED]

25X1A

25X1A b. Upon advice from OC-T, [REDACTED] was advised that CIA tended to concur with the recommendation of the [REDACTED] for a 12.5 KW emergency generator for communications [REDACTED] facilities

25X1A

25X1A

25X1A6a

25X1A c. Communications requirements for space, power, air conditioning, were gathered preparatory to briefing [REDACTED] now on home leave but due to return [REDACTED]

25X1A6a

25X1A6a d. We were asked by SIGINT personnel to investigate planning for a new third floor [REDACTED] More space is desirable for both our functions there.

25X1C4c

25X1A6a 7. [REDACTED] - The project engineer, [REDACTED] visited the project site during this period to coordinate planning. See attached trip report.

25X1A9a

25X1A 8. [REDACTED] reporting and our drafting section seemed to be competing with each other to achieve an unusually active month, and with the happy result that reports are at the moment being returned to the field within one month's time.

25X1A 9. The drafting group produced a total of 113 drawings, 68 of these being for [REDACTED] the remainder primarily for SEB project engineers. The machine reproduction group performed as below:

<u>TYPE</u>	<u>MASTERS</u>	<u>COPIES</u>
Xerox	1444	3431
Ditto	22	666
Ozalid	463 (102)	4149 (320)

25X1A

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25X1A9a

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